

JUN 08 1982

**MATERIAL SAFETY DATA SHEET**

NPVLA 6-70

(Approved by U.S. Department of Labor "Essentially Similar" to Form LSH-00S-4)

DPM 439

**Section I**

<b>MANUFACTURER'S NAME</b> Reynolds Metals Company	
<b>STREET ADDRESS</b> 6601 West Broad St.	
<b>CITY, STATE, AND ZIP CODE</b> Richmond, Virginia 23261	
<b>EMERGENCY TELEPHONE NO</b> (502) 776-1582	
<b>CHEMICAL NAME AND SYNONYMS</b> Not Applicable	<b>TRADE NAME</b> Aluminum Paste
<b>CHEMICAL FAMILY</b> Not Applicable	<b>FORMULA</b> Not Applicable

**Section II — HAZARDOUS INGREDIENTS****PAINTS, PRESERVATIVES, & SOLVENTS**

PIGMENTS	%	TLV (Units)	SOLVENTS	%	TLV (Units)
Aluminum Pigments	65 - 75		Exempt Solvent	35 - 25	500
CATALYST			ADDITIVES		
VEHICLE			OTHERS		

**HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES**

Contact with water should be avoided as trace amounts of moisture react with the finely divided aluminum pigment to generate hydrogen.

**Section III — PHYSICAL DATA**

BOILING POINT (°F.) of solvent	323	SPECIFIC GRAVITY (H <sub>2</sub> O=1) of solvent	0.78
VAPOR PRESSURE (mm Hg) " "	Less than 0.1 PSI	PERCENT VOLATILE BY VOLUME (%)	99+
VAPOR DENSITY (AIR=1) " "	4.4	EVAPORATION RATE (Toluene=1)	23.60
SOLUBILITY IN WATER " "	Insoluble		
APPEARANCE AND ODOR " "	Clear colorless petroleum hydrocarbon		

**Section IV — FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (METHOD USED) of solvent	100°F Min. TCC	FLAMMABLE LIMITS of solvent	LeI	UeI
EXTINGUISHING MEDIA for solvent	CO <sub>2</sub> or Dry Chemical		1.0	6.0
SPECIAL FIRE FIGHTING PROCEDURES For Pastes - Isolate material, seal from air, allow to self-extinguish.				
UNUSUAL FIRE AND EXPLOSION HAZARDS For Pastes - None in paste form. (Should paste dry to flake, this powder burns at extremely high temperature and when dust clouds form can form explosive mixture with air over wide concentration range)				

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**Section V—HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE For Solvent: Exempt Solvent - 500 PPM

EFFECTS OF OVEREXPOSURE Dizziness, Light-headedness, Lung Irritation with Coughing.

**EMERGENCY AND FIRST AID PROCEDURES**

For Inhalation - Remove subject to fresh air.

For Eye Contact - Flush with water, contact physician.

If Swallowed - Do not induce vomiting, contact physician.

**Section VI—REACTIVITY DATA**

STABILITY	UNSTABLE	--	CONDITIONS TO AVOID Improper storage which would allow introduction of water and/or foreign material.
	STABLE	Yes	

INCOMPATIBILITY (Materials to avoid)  
Water, Mineral Acids, Harsh Alkali, Oxidizing Agents.

HAZARDOUS DECOMPOSITION PRODUCTS  
Hydrogen - Formed by reaction with water, etc.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

**Section VII—SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Clean area thoroughly to prevent formation of dry aluminum powder.

Avoid ignition sources, contact with skin, etc.

WASTE DISPOSAL METHOD Dispose of in accordance with applicable regulations.

**Section VIII—SPECIAL PROTECTION INFORMATION****RESPIRATORY PROTECTION (Specify type)**

No special protection required

VENTILATION	LOCAL EXHAUST X	SPECIAL
	MECHANICAL (General) Explosion-proof equipment recommended.	OTHER

PROTECTIVE GLOVES Rubber gloves recommended	EYE PROTECTION Safety goggles recommended
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OTHER PROTECTIVE EQUIPMENT

**Section IX—SPECIAL PRECAUTIONS****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Keep away from heat, open flame, sparks-Use with adequate ventilation and normal safety precautions for flammable liquids. Avoid skin contact and accumulation of dust caused by the drying out of pastes. Paste drum lids should be vented prior to opening.